

NCDWR Fish Kill Summary Report



Waterbody PRIVATE POND

Total Fish Mortality

Location Fuquay Varina

200

Kill Number	Date Reported	Date Investigated	Time Investigated
RA15001	5/23/2015	5/23/2015	1330
County	HUC:	Latitude	Longitude
WAKE	03020201	35.618560	-78.7712000

Species Reported

BLACK CRAPPIE
GRASS CARP
LARGEMOUTH BASS
SUNFISH

Suspected Cause	Other Species Affected	Waterbody Type	Duration	Kill Area
DO	NONE	Fresh	5 days	2 acres

Tributaries Affected

NONE

Samples

PHYTO, NUTRIENT, CHLORA

Notes:

Investigators noticed numerous dead crappie, sunfish, grass carp and bass. Black vultures were actively feeding on dead fish so unable to get a good count. Dead fish were also observed being drug away on the shore line. Young of year fish were seen jumping out of the water and gasping. Follow up investigation performed on Tuesday. Again, multiple vultures seen feeding on dead fish. YOY seen struggling. Investigator was stopped by a home owner who told her that they had been having trouble with aquatic vegetation and about a week ago contacted Foster lake and pond management about the 'duck weed' issue they were having. The homeowner was advised to wait for the 'duck weed' to be blown to one side of the pond and to apply herbicide and place grass carp into the pond. The homeowner did this about a week ago. Fish kill was reported on Saturday 5/23 but evidence of fish starting to decay was noted. Phytoplankton samples were collected along with physical conditions as part of the investigation.

Results of Analysis: Physical conditions at the time the sample was collected found very little oxygen in the pond. Analysis of the phytoplankton found very little algae (< 100 units/ml) and could not be fully completed due to the high concentration of decaying Wolffia, commonly called watermeal.